

Information Session
September 18, 2012

Agenda

1. Opening Remarks (15 minutes)

- Laura Duchnak – Navy Director Base Realignment & Closure
- Supervisor Jane Kim – City & County of San Francisco, Board of Supervisors, District 6
- Ray Leclerc – California Department of Toxic Substances Control
- Stephen Woods – Chief, Division of Food, Drug and Radiation Safety, California Department of Public Health

2. Two Presentations (30 minutes)

3. Questions and Answers



BRAC Program Management Office



Treasure Island Community Meeting

Radiological Program

at former Naval Station Treasure Island

September 18, 2012



Program Overview



- The Navy's Radiological Program is part of the overall Environmental Cleanup Program at former Naval Station Treasure Island (NSTI)
- All of the Navy's work is overseen by the State of California, under a consultation framework established by a 1992 Federal Facilities Site Remediation Agreement (FFSRA), with support from U.S. EPA.
 - NSTI is not a Superfund Site.



Agency Roles and Responsibilities



- The Navy is the Lead Agency for the conduct of the environmental cleanup program at the former Naval Station Treasure Island.
- Navy Radiological Affairs Support Office (RASO) provides radiological technical support.
- The Department of Toxic Substances Control (DTSC) is the Lead Agency for the State of California providing State oversight of the cleanup program.
- California Department of Public Health (CDPH) provides radiological technical support to DTSC.
- The City of San Francisco participates in the review of the program.
- The Navy has sponsored a Restoration Advisory Board (RAB) since 1994 as a forum for exchange of information and partnership among citizens, the Navy, and State. Most importantly, the RAB offers an opportunity for the Treasure Island community to provide input to the Navy's cleanup program.



Historical Use of Radiological Material at Treasure Island



- The primary mission of NSTI from 1941 to 1997 was training, administration and housing, except for a brief period during WW II when the mission was temporarily expanded.
- In 1947 the Navy established a Radiological Safety School at Building 7, which after two classes moved to Building 233 (3rd and Avenue H).
- In 1951, Buildings 342, 343 and 344 were built for the RADIAC (Radiation Detection, Indication and Computation) Training School for instrument maintenance and calibration training.
- In 1956 the Navy constructed a training ship mockup known as the USS *Pandemonium*. The USS *Pandemonium* was originally located near the northwest corner of the island, and was moved to the northeast corner in 1969.
- Several storage and recycling yards operated on the island during different periods of time. Equipment containing radioluminescent items could have been stored or recycled.



Historical Use of Radiological Material at Treasure Island (cont.)



- During the later years of World War II, ships were also repaired at TI, in an area known as the Frontier Base at the southeast corner of the island, due to overcrowding at Bay Area shipyards as the war in the Pacific intensified. These ships may have contained equipment that contained radioluminescent items. Building 3 was used as an industrial building associated with the ship repairs and included an optical shop for equipment, which may have used radiological materials. At the end of World War II, the Frontier Base was disestablished and redesignated as a U.S. Navy Small Craft Facility.
- NSTI was not involved in the decontamination of ships used in the postwar atomic testing in the Pacific
 - Three ships were berthed at NSTI after decontamination, while clearance paperwork was being completed. These ships required no further decontamination and were cleared.



Radiological Contaminants of Concern



- Radium 226 – has only been identified above natural background levels at three locations:
 - Building 233 and the associated sanitary sewer
 - In a limited area at Site 31 which was the location of a former storage yard
 - At the Site 12 Solid Waste Disposal Areas
- Beginning in the early 1900's, Radium 226 was used to make radioluminescent items for self illuminating dials, wristwatches and markers for both commercial and military use.
- No other radiological contaminant has been detected above background levels on NSTI.



Basewide Radiological Assessment HRA and HRASTM

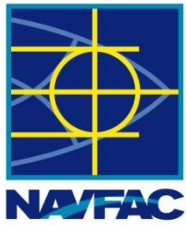


2006 – Historical Radiological Assessment (HRA)

- Provided history of radiological operations of the Navy
- Identified areas on NSTI that warranted further investigation
 - Site 12 Solid Waste Disposal Areas (SWDAs)
 - SWDAs A, B, 1207/1209 and 1231/1233 – ongoing investigation and remediation
 - Building 233 and sanitary sewer – building demolished – ongoing investigation and remediation
 - Buildings 343 and 344 – completed – unrestricted free release by the State of California

2012 – Draft Historical Radiological Assessment-Supplemental Technical Memorandum (HRASTM)

- Reviews findings of the 2006 HRA, updates conceptual site models, results of additional investigations and new information



Basewide Radiological Assessment HRA and HRASTM (cont.)



2012 – Draft Historical Radiological Assessment-Supplemental Technical Memorandum (HRASTM) (cont.)

- Identifies additional areas on NSTI that warrant further evaluation
 - Building 3 Ship Repair and Optical Shop
 - Building 570 Area
 - USS Pandemonium Site II (Northeast)
 - Former Salvage Yard Site – Waste Water Treatment Plant
 - Site 6 Waste Loading Site
 - USS Pandemonium Site I (Northwest)
 - Former Storage Area including Sites 30 and 31
 - Building 342 Instrument Calibration and Instruction Lab
 - Former Supply Depot Salvage Yard (Lot 69)
- No additional evidence of new waste disposal areas or releases were identified. These findings supplement the 2006 HRA.
- Draft HRASTM is currently under regulatory review



Radiological Work Completed/Scheduled



Per September 11, 2012 Final 2012 Site Management Plan (SMP)

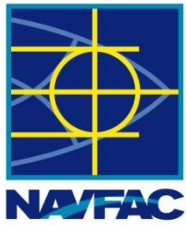
- NSTI Housing Area (Installation Restoration Site 12)
 - Site 12 Solid Waste Disposal Areas (SWDAs) A/B, 1207/1209 and 1231/1233
- SWDA 1207/1209 Bayside Drive and 1231/1233 Northpoint Drive
 - Soil excavation in 2007 (Phase I)
 - Final Post Construction Summary Report – November 2012
 - Soil excavation (Phase II)
 - Final Work Plan – October 2013
 - Complete Field Work – January 2014
 - Complete Final Status Survey Report – September 2014
- SWDA A/B Westside Drive/Lester Court
 - Soil excavation and building demolition 2007-2012 (Phase I)
 - Final Post Construction Summary Report – February 2013
 - Soil excavation (Phase II)
 - Final Work Plan – April 2013
 - Complete Field Work – July 2013
 - Complete Final Status Survey Report – February 2014



Radiological Work Completed/Scheduled



- NSTI Housing Area (Installation Restoration Site 12) (cont.)
 - SWDA A/B Westside Drive/Lester Court (cont.)
 - Soil excavation (Phase III)
 - Final Work Plan – October 2013
 - Complete Field Work – January 2014
 - Complete Final Status Survey Report – September 2014
- Soil Removal Action for Bigelow Court (includes radiological survey)
 - Final Work Plan – January 2014
 - Complete Field Work – April 2014
 - Final Status Survey Report – August 2014
- 9th Street Recreation Area Characterization Survey
 - Final Work Plan – November 2013
 - Complete Field Work – January 2014
 - Final Status Survey Report – September 2014
- Survey of all other areas within Site 12 including Pandemonium I Area
 - Final Work Plan – July 2013
 - Complete Field Work – September 2013
 - Final Survey Report – July 2014



Radiological Work Completed/Scheduled



- Building 233 Area
 - Building demolished
 - Characterization, Remediation and Final Status Survey – ongoing
 - Complete Final Status Survey – February 2013
- Site 31
 - Soil excavation, Characterization, Remediation and Final Status Survey – ongoing
 - Complete Final Status Survey – June 2013
- Building 3 Ship Repair and Optical Shop
 - Final Work Plan – February 2013
 - Complete Field Survey – April 2013
 - Complete Final Status Survey – August 2013



Radiological Work Completed/Scheduled



- Pandemonium II Area, Building 233 Sanitary Sewer (same as Pandemonium I Area schedule)
 - Final Work Plan – July 2013
 - Complete Field Work – September 2013
 - Final Survey Report – July 2014
- Former Storage Area including Site 30, Former Supply Depot Salvage Yard (Lot 69), Building 342, and Waste Water Treatment Plant
 - Final Scoping Survey Work Plan – March 2014
 - Complete Field Work – June 2014
 - Final Status Survey Report – March 2015
- Site 6 Radiologically Controlled Area
 - Final Characterization and Final Status Survey Work Plan – July 2013
 - Complete Field Work – October 2013
 - Final Status Survey Report – June 2014
- Building 570 Contractor Area
 - To be scheduled when no longer needed by the contractor



Human Health



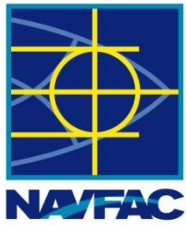
- In 2010, 2011 and 2012, the California Department of Public Health Radiological Health Branch (CDPH-RHB) conducted several surveys:
 - On October 27, 2010 a survey was conducted of public areas adjacent to the Bayside, Northpoint and Westside Drive/Lester Court areas. No risks identified.
 - On April 5 to 7, 2011 a gamma survey of areas in Site 12 was conducted. Five localized spots adjacent to the Westside Drive/Lester Court fenceline identified and the fenceline was adjusted. No other localized spots identified elsewhere. No further measures required by CDPH pending further surveys of the roadways by the Navy.
 - On July 13, 2011 a survey was conducted at the 9th Street Playground/Recreation Area. No external radiation exposure hazard. Recommended characterization by the Navy.
 - On August 28, 2012 a survey was conducted at the Daycare Center, Boy's and Girl's Club and adjacent property. No risks identified.
- At the request of the Treasure Island Development Authority, California Department of Public Health are conducting additional health and safety surveys.



Summary



- Based on the data independently collected by the Navy and CDPH, there is no threat to public health or safety in the Treasure Island housing area or other occupied areas of the island.
- The Navy and the State are committed to timely evaluation of newly impacted sites.
- The Navy will continue to conduct investigations in close collaboration with the State, City of San Francisco, public, and other stakeholders in order to ensure a safe environment to live and work.
- The Navy will continue to inform the public through RAB meetings, RAB tours, fact sheets, newsletters, technical information meetings, and access to documentation.



Points of Contact



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Information Sources



- Restoration Advisory Board (RAB) meetings
 - Meets at Casa de la Vista at 7pm every other month (next meeting October 16th 2012)
- Work Notifications
- Fact Sheets
- Newsletters
- Information Repositories (TI Building 1 and San Francisco Library)
- Navy Website: www.bracpmo.navy.mil
- DTSC Website: www.envirostor.dtsc.ca.gov/public
- DTSC Toll Free Number 1-866-495-5651 (Radhika Majhail, Public Participation)